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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S) : Deborah C. Mash  
SERIAL NO. : 09/486,613  
FILED : February 29, 2000  
FOR : Noribogaine in the Treatment of Pain and Drug Addiction  
GROUP ART UNIT : 1617  
Examiner : Abigail M. Cotton

MailDrop: After Amendment  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**Declaration of Dr. Deborah C. Mash**

S I R:

1. I, Deborah C. Mash, declare as follows:
2. I am a citizen of the United States of America.
3. I am the sole inventor of the subject matter of the above-referenced patent application.
4. I have over 20 years experience as a Ph.D. level researcher in the pharmaceutical/biological sciences.
5. I am presently a Full Professor in the Department of Professor of Neurology and Molecular and Cellular Pharmacology, University of Miami School of Medicine, Miami, Florida, and have held that position since June, 1997.
6. Since 1996, I have been the Jeanne C. Levey Professor of Parkinson's Disease Research at the University of Miami, Miami, Florida.
7. From 1991-1997, I was Associate Professor of Neurology and Pharmacology, University of Miami School of Medicine, Miami, Florida.

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8. I understand that Examiner Cotton has cited a reference against the above-identified patent application serial number 09/486,613, of which I am the sole inventor. That reference is Pablo and Mash, "Noribogaine Stimulates Naloxone-sensitive [ $^{35}$ S]GTP $\gamma$ S-binding, *NeuroReport*, 9, 109-114 (1998) (hereinafter, Pablo and Mash).

9. John P. Pablo is the first named author on the above-identified reference and I am the second named author on that publication.

10. With reference to the Pablo and Mash reference, John Pablo was a graduate student who worked in my laboratory and conducted experiments on the pharmacology of noribogaine under my supervision, direction and control. Mr. Pablo provided technical laboratory skills for the purpose of pharmacological testing.

11. I originated the hypothesis and experimental design of the experiments which gave rise to the Pablo and Mash paper. I also drew the conclusions from the data which were obtained from the experiments. Mr. Pablo conducted those experiments under my direction, supervision and control. He was named as a co-author of the Pablo and Mash paper because of his competent laboratory/technical work in performing the hands-on experiments.

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12. I further declare that all statements made herein of my own personal knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section .001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 10/31/06 Deborah C. Mash  
Deborah C. Mash

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